

Notice of Allowability

Application No.

10/524,269

Applicant(s)

YAMAMOTO, MASAO

Examiner

Art Unit

MANSOUR M. SAID

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/11/05.
2. ☒ The allowed claim(s) is/are 1-16 and renumbered as 1-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

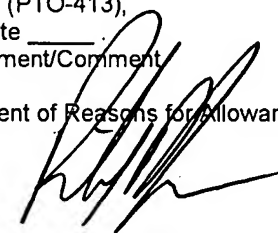
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 2/11/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Bednarek, Michael (office), on September 19, 2007.

2. The application has been amended as follows.

IN THE CLAIMS

In claim 1, line 24, after "said user" please add --; and wherein said main body comprises a glasses frame having lower segments corresponding to the right and left eyes, said right-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the right eye whereas said left-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the left eye--.

In claim 15, line 19, after "an integrated unit" please add --; and wherein said main body comprises a glasses frame having lower segments corresponding to the right and left eyes, said right-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the right eye whereas said left-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the left eye--.

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In claim 16, line 23, after "at appropriate positions" please add --; and wherein said main body comprises a glasses frame having lower segments corresponding to the right and left eyes, said right-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the right eye whereas said left-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the left eye--.

Allowable Subject Matter

3. Claims 1-16 are allowed.

The following is an examiner's statement of reasons for allowance: Claims 1-16 are allowed since certain key features of the claimed invention are not taught or fairly suggested by prior art. In claim 1, "right-eye display means for displaying a predetermined image, said right-eye display means being provided on or in said main body in such a manner that said image is blurred or beyond the visible range of the right eye of said user when said user wearing said main body on his or her head looks straight ahead, and that said image is caught by the right eye of said user when said user moves his or her straight-looking right eye away; and left-eye display means for displaying a predetermined image, said left-eye display means being provided on or in said main body in such a manner that said image is blurred or beyond the visible range of the left eye of said user when said user wearing said main body on his or her head looks straight ahead, and that said image is caught by the left eye of said user when said user moves his or her straight-looking left eye away; said right-eye display means and/or said left-eye display means being provided in such a manner that they/it can be positioned and fixed to said main body at a certain position or positions suited for the right and left eyes of said user; and wherein said main

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body comprises a glasses frame having lower segments corresponding to the right and left eyes, said right-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the right eye whereas said left-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the left eye". In claim 15, "right-eye display means for displaying a predetermined image, said right-eye display means being provided on or in said main body in such a manner that said image is blurred or beyond the visible range of the right eye of said user when said user wearing said main body on his or her head looks straight ahead, and that said image is caught by the right eye of said user when said user moves his or her straight-looking right eye away; and left-eye display means for displaying a predetermined image, said left-eye display means being provided on or in said main body in such a manner that said image is blurred or beyond the visible range of the left eye of said user when said user wearing said main body on his or her head looks straight ahead, and that said image is caught by the left eye of said user when said user moves his or her straight-looking left eye away, said display device comprising at least a display screen on which images are shown and an optical system to guide an image shown on said display screen to the eye(s) of said user, said display device being formed as an integrated unit; and wherein said main body comprises a glasses frame having lower segments corresponding to the right and left eyes, said right-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the right eye whereas said left-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the left eye". In claim 16, "right-eye display means for displaying a predetermined image, said right-eye display means being provided on or in said main body in such a manner that said image is blurred or beyond the

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visible range of the right eye of said user when said user wearing said main body on his or her head looks straight ahead, and that said image is caught by the right eye of said user when said user moves his or her straight-looking right eye away; and left-eye display means for displaying a predetermined image, said left-eye display means being provided on or in said main body in such a manner that said image is blurred or beyond the visible range of the left eye of said user when said user wearing said main body on his or her head looks straight ahead, and that said image is caught by the left eye of said user when said user moves his or her straight-looking left eye away; at least a display screen on which images are shown and an optical system to guide an image shown on said display screen to the eye(s) of said user, said main body being adapted to be worn on the head of said user, said main body comprising right-eye holding means and left-eye holding means for firmly holding said right-eye display means and said left-eye display means, each of which is formed as an integrated unit, at appropriate positions; and wherein said main body comprises a glasses frame having lower segments corresponding to the right and left eyes, said right-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the right eye whereas said left-eye display means being provided on or in said lower segment of said glasses frame that is corresponding to the left eye". The closest prior art Blum, Ronald et al. (WO 01/06298 A) teaches a head mounted viewable display system includes displaying information, such as, a first line of characters on a micro-optical display having a micro-character display and using an optical element to project the first line of characters in the field of vision of the user, Robertson et al. (6,034,653) teach a display head-set includes a display optics interface pod coupled to the right and left handle portion and a pair of eye glasses with the interface pod attached to one of the left and the right handle portion of the

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support member by arm clip and extending into the field vision to offer a monocular viewing sight to a user, however, singularly or in combination with other prior art, fail to anticipate or render the above underlined limitations obvious.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Spitzer (6,091,546) teaches an eyeglasses interface system.

Spitzer (6,384,982) teaches a head-mountable image display system provided an image to a user's eye separate from ambient light..

Kosugi et al. (6,483,483 B2) teach an eyeglasses type image display can be connected to a computer having a large amount of information.

Pandolfi (6,486,855 B1) teaches a mounted display system including a plurality of positions in the field of vision of a user by a mechanical linkage mounted on the user below the head.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mansour M. Said whose telephone number is 571-272-7679. The

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examiner can normally be reached on Monday through Thursday from 8:30-6:00 P.M. The examiner can also be reached on alternate Friday from 8:30 a.m. to 5:00 p.m. EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe whose telephone number is 571-272-7681.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: 571-273-8300 (for Technology Center 2600 only)

Hand-delivered responses should be brought to the Customer Service Window at the Randolph Building, 401, Dulany Street, Alexandria, VA 22314.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mansour M. Said

9/20/07



RICHARD HJERPE
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